

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
John C. Harvey *et al.*

Patent No.: 7,784,082

Issued: August 24, 2010

For: SIGNAL PROCESSING APPARATUS AND
METHODS

Commissioner for Patents
Office of Patent Publication
Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. §1.322

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted an error which should be corrected. The claims of the issued patent do not reflect the Examiner's Amendments contained in the Office Action mailed on October 28, 2009. A copy of this mailing is attached as Exhibit A.

In column 286, line 4, through column 290, line 11, replace claims 1-17 with the following claims:

1. A method of controlling the outputting of mass medium program material at a subscriber station, said subscriber station including an output device, a memory, a receiver, and a processor, wherein said output device is capable of presenting mass medium program material, said receiver has a signal output coupled as an input to the processor, said processor has an output operatively connected to a control input of said memory, and said memory is operatively connected to said output device for communicating mass medium program material to said output device, said method comprising the steps of:

storing, at said subscriber station, mass medium program material and subscriber data, said subscriber data designating a subject of interest of a subscriber;

receiving an instruct-to-generate signal;

generating a schedule by processing said subscriber data in response to said instruct-to-generate signal, said schedule designating at least one of:

a time to communicate said mass medium program material,

a device from which to communicate said mass medium program material, and a device to which to communicate said mass medium program material; storing said schedule;

controlling said memory to communicate said mass medium program material to said output device in accordance with said schedule; and

presenting said communicated mass medium program material at said output device.

2. The method of claim 1, wherein said mass medium program material includes at least one of video and audio and said subscriber station further includes a switch operatively connected to said receiver, said method further comprising the steps of:

receiving a signal from a remote station, said signal including said at least one of video and audio; and

controlling said switch to communicate said signal to one of said memory and said processor.

3. The method of claim 1, further comprising the steps of:

analyzing said subscriber data to value information included in said mass medium program material;

selecting at least a portion of said mass medium program material based on said step of analyzing; and

communicating said selected portion of said mass medium program material to said memory.

4. The method of claim 1, wherein said instruct-to-generate signal designates a plurality of units of said mass medium program material, and said memory includes a plurality of memory locations, said method further comprising the step of:

communicating selected portions of said mass medium program material to at least one specific memory location of said plurality of memory locations.

5. The method of claim 1, wherein said step of controlling said memory to communicate said mass medium program material is commenced in response to an output control signal, said method further comprising the step of:

detecting said output control signal in an information transmission communicated from a remote transmitter station.

6. The method of claim 1, further comprising the steps of:
storing a module at said subscriber station in response to said instruct-to-generate signal;
and

inputting to a remote station data of subscriber choice in accordance with said module, said data of subscriber choice communicating a response by said subscriber to a combined medium presentation including said communicated mass medium program material.

7. The method of claim 1, wherein said output device is capable of outputting television programming and said subscriber station presents at least a portion of said mass medium program material at said output device with said television programming, said method further comprising the steps of:

receiving from one of a remote broadcast and a cablecast transmitter station an information transmission including channels of programming, said information transmission including said television programming and said instruct-to-generate signal;

communicating said television programming from said receiver to said output device;

detecting a plurality of instruct signal types in a code portion of said information transmission, said instruct-to-generate signal being of a first instruct signal type;

communicating said instruct-to-generate signal to said processor; and
controlling said memory to store and output said mass medium program material based on one or more signals of a second instruct signal type.

8. A method of communicating subscriber station information from a subscriber station to at least one remote station, said method comprising the steps of:

- (1) storing subscriber data at a subscriber station;
- (2) receiving at said subscriber station at least one instruct signal which is used to generate a schedule and output mass medium program material in accordance with said schedule regarding mass medium program material, said schedule designating at least one of:

a time to communicate said mass medium program material,
a device from which to communicate said mass medium program material, and a device to which to communicate said mass medium program material;

- outputting said mass medium program material in accordance with said schedule;
- (3) generating subscriber specific data, said generating at said subscriber station directed by instructions from said at least one instruct signal;

- (4) receiving one of a viewer's and a participant's response to a mass medium presentation at said subscriber station, said mass medium presentation including said mass medium program material; and

- (5) transferring said subscriber specific data from said subscriber station to at least one remote station based on said step of receiving.

9. The method of claim 8, further comprising the steps of:

storing a software module at said subscriber station;
executing said software module in response to said at least one instruct signal;
accessing said stored subscriber data under control of said software module; and

storing at least one of meter information and monitor information evidencing processing of said software module, said at least one of said meter information and said monitor information is communicated to a remote site.

10. A method for information delivery for use with an interactive image output apparatus, said interactive image output apparatus having at least one output device for outputting said information and an input device for receiving input from a subscriber, said method comprising the steps of:

outputting a presentation that explains at least one receiver specific datum, said presentation including a first sequence of images;

making an offer during said step of outputting with respect to said information;

receiving input from said subscriber at said input device in response to said offer, said interactive image output apparatus having a transmitter for communicating data to a remote site;

communicating said data to said remote site, said interactive image output apparatus and said remote site comprising a network having a plurality of transmitter stations;

one of generating and assembling, in said network, at least one message which operates at said interactive image output apparatus to generate a schedule and to output a second sequence of images in accordance with said schedule, said interactive image output apparatus having a receiver for receiving a signal from a remote station, and said schedule designating at least one of:

a time to communicate said second sequence of images,

a device from which to communicate said second sequence of images, and a device to which to communicate said second sequence of images; and delivering said information to said at least one output device based on said at least one message.

11. A method of controlling the outputting of mass medium program materials at a subscriber station included in one or more subscriber stations in a broadcast or cablecast distribution system, said broadcast or cablecast distribution system having a transmitter station

and said one or more subscriber stations, each of said one or more subscriber stations including a receiver, an output device, and a computer for storing data and controlling communication of mass medium program materials, said method comprising the steps of:

storing, at said subscriber station, mass medium program material and a subscriber datum, said subscriber datum designating a subject of interest to a subscriber;

detecting a control signal, said control signal designating a unit of mass medium program material;

selecting said subscriber datum in response to said control signal;

generating at least a portion of a schedule by processing said selected subscriber datum in response to said control signal, said generated at least a portion of a schedule including at least one of the group of:

- (1) a time to communicate said designated unit of mass medium program material;
- (2) a device from which to communicate said designated unit of mass medium program material; and
- (3) a device to which to communicate said designated unit of mass medium program material;

storing said at least a portion of a schedule;

communicating said designated unit of mass medium program material at said subscriber station under processor control based on said at least a portion of a schedule; and

outputting said communicated unit of mass medium program material at said subscriber station.

12. The method of claim 11, wherein said unit of designated mass medium program material includes at least one of video and audio and said step of communicating includes:

tuning the receiver at said subscriber station to receive said at least one of video and audio; and

controlling a selective transmission device at said subscriber station to communicate said at least one of video and audio to the output device at said subscriber station.

13. The method of claim 11, wherein an information transmission including said mass medium program material includes a second control signal and said step of communicating includes:

outputting at at least one of the receiver and a first memory at said subscriber station to at least one of the output device at said subscriber station and a second memory based on said second control signal.

14. The method of claim 11, wherein said step of communicating said designated unit of mass medium program material under processor control includes controlling a storage device at said subscriber station to play said designated unit of mass medium program material according to said at least a portion of a schedule, said method further comprising the steps of:

tuning a receiver in said broadcast or cablecast distribution system to receive said designated unit of mass medium program material;

communicating said designated unit of mass medium program material to a specific memory location; and

controlling said storage device to store said designated unit of mass medium program material.

15. The method of claim 11, wherein said subscriber station includes at least one of (1) a plurality of storage devices and (2) a plurality of memory locations and said step of communicating includes organizing programming stored at said subscriber station to play according to said at least a portion of a schedule, said programming including said designated unit of mass medium program material.

16. The method of claim 11, wherein said stored subscriber datum is at least part of a subscriber budget, analysis, recommended plan, or solution to a problem, said method further comprising the steps of:

analyzing said stored subscriber datum to value information received in said broadcast or cablecast distribution system; and

selecting said designated unit of mass medium program material based on said step of analyzing.

17. The method of claim 11, further comprising the steps of:

storing a module at said subscriber station in response to said control signal; and

communicating one or more data of subscriber choice to a remote station in accordance with said module, said one or more data of subscriber choice input by said subscriber in response to a combined medium programming presentation which includes said designated unit of mass medium program material.

The errors in the claims were not made by Applicants. On pages 2 to 8 of the October 28, 2009 Office Action, the Examiner amended claims 2, 3, 7, 26, 29, 30 via an Examiner's Amendment authorized by applicants on October 15, 2009. As a result, the claims were allowed. Dependent claims 8, 10-12, 14, 16, 18, 27, 28, 33, 36 were also allowed as claims further limiting to the independent claims amended and are thus also allowable over prior art of record. No further amendments were submitted by Patentee. Patent 7,784,082 issued August 24, 2010, does not include the amendments to the claims made by the examiner on October 28, 2009.

Accordingly, Patentee believes that the aforementioned error was caused by the Office, and that no fee is due for the Certificate of Correction. However, if any fees are required, the Director is hereby authorized to charge any fees to our Deposit Account No. 50-4494.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment.
Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: November 24, 2010

Respectfully submitted,

By /Thomas J. Scott, Jr./

Thomas J. Scott, Jr.

Registration No.: 27,836

GOODWIN PROCTER LLP

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Washington, DC 20001

(202) 346-4000

Attorney for Patentee

EXHIBIT A

Office Action Summary

Application No.

08/447,974

Applicant(s)

HARVEY ET AL.

Examiner

MICHAEL J. MOORE, JR.

Art Unit

2467

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any claimed patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2, 3, 7, 8, 10-12, 14, 16, 18, 26-30, 33 and 36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2, 3, 7, 8, 10-12, 14, 16, 18, 26-30, 33 and 36 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Drafters' or Examiner's Drawing Review (PTO-946)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☒ Interview Summary (PTO-413)
Paper No(s)/Mail Date 10/15/05
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters: The Administrative Requirement as set forth below.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

2. As the application has prosecution closed on the merits, Applicant is now required to make the submission to comply with the Administrative Requirement.

Applicants' compliance will take the form of one of the following actions:

(1) Filing terminal disclaimers in each of the related co-pending applications terminally disclaiming each of the other co-pending applications;

(2) Providing an affidavit attesting to the fact that all claims in the co-pending applications have been reviewed by Applicant and that no conflicting claims exist between the applications; or

(3) Resolving all conflicts between claims in the identified co-pending applications by identifying how all the claims in the instant application are distinct and separate inventions from all the claims in the identified co-pending applications.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas J. Scott, Jr. (Reg. No. 27,836) on 10/15/09.

The application has been amended as follows:

Claim 2 (Currently Amended) A method of controlling the outputting of mass medium program material at a subscriber station, said subscriber station including an output device, a memory, a receiver, and a processor, wherein said output device is capable of presenting mass medium program material, said receiver has a signal output coupled as an input to the processor, said processor has an output operatively connected to a control input of said memory, and said memory is operatively connected to said output device for communicating mass medium program material to said output device, said method comprising the steps of:

storing, at said subscriber station, mass medium program material and subscriber data, said subscriber data designating a subject of interest of a subscriber;

receiving an instruct-to-generate signal;

generating a schedule by processing said subscriber data in response to said instruct-to-generate signal, said schedule designating at least one of:

a time to communicate said mass medium program material,

a device from which to communicate said mass medium program material, and

a device to which to communicate said mass medium program material;

storing said schedule;

controlling said memory to communicate said mass medium program material to said output device in accordance with said schedule; and

presenting said communicated mass medium program material at said output device.

Claim 3 (Currently Amended) A method of communicating subscriber station information from a subscriber station to at least one remote station, said method comprising the steps of:

(1) storing subscriber data at a subscriber station;

(2) receiving at said subscriber station at least one instruct signal which is used to generate a schedule and output mass medium program material in accordance with said schedule regarding mass medium program material, said schedule designating at least one of:

a time to communicate said mass medium program material,
a device from which to communicate said mass medium program material, and
a device to which to communicate said mass medium program material;
~~and output~~ outputting said mass medium program material in accordance with said schedule;

(3) generating subscriber specific data, said generating at said subscriber station directed by instructions from said at least one instruct signal;

(4) receiving one of a viewer's and a participant's response to a mass medium presentation at said subscriber station, said mass medium presentation including said mass medium program material; and

(5) transferring said subscriber specific data from said subscriber station to at least one remote station based on said step of receiving.

Claim 7 (Currently Amended) A method for information delivery for use with an interactive image output apparatus, said interactive image output apparatus having at least one output device for outputting said information and an input device for receiving input from a subscriber, said method comprising the steps of:

outputting a presentation that explains at least one receiver specific datum, said presentation including a first sequence of images;

making an offer during said step of outputting with respect to said information;

receiving input from said subscriber at said input device in response to said offer, said interactive image output apparatus having a transmitter for communicating data to a remote site;

communicating said data to said remote site, said interactive ~~mass-medium~~ image output apparatus and said remote site comprising a network having a plurality of transmitter stations;

one of generating and assembling, in said network, at least one message which operates at said interactive image output apparatus to generate a schedule and to output a second sequence of images in accordance with said schedule, said interactive image output apparatus having a receiver for receiving a signal from a remote station, and said schedule designating at least one of:

a time to communicate said second sequence of images,

a device from which to communicate said second sequence of images, and

a device to which to communicate said second sequence of images; and
delivering said information to said at least one output device based on said at least one message.

Claim 26 (Currently Amended) A method of controlling the outputting of mass medium program materials at a subscriber station included in one or more subscriber stations in a broadcast or cablecast distribution system, said broadcast or cablecast distribution system having a transmitter station and said one or more subscriber stations, each of said one or more subscriber stations including a receiver, ~~a processor,~~ and an output device, ~~said broadcast or cablecast distribution system having~~ and a computer for storing data and controlling communication of mass medium program materials, said method comprising the steps of:

storing, at said subscriber station, mass medium program material and a subscriber datum, said subscriber datum designating a subject of interest to a subscriber;

detecting a control signal, said control signal designating a unit of mass medium program material;

selecting said subscriber datum in response to said control signal;

generating at least ~~some of~~ a portion of a schedule by processing said selected subscriber datum in response to said control signal, said generated at least ~~some a~~ portion of a schedule including at least one of the group of:

(1) a time to communicate said designated unit of mass medium program material;

(2) a device from which to communicate said designated unit of mass medium program material; and

(3) a device to which to communicate said designated unit of mass medium program material;

storing said at least a portion of a schedule;

communicating said designated unit of mass medium program material at said ~~one or more subscriber stations~~ station under processor control based on said at least a portion of a schedule; and

outputting said communicated unit of mass medium program material at said ~~one or more subscriber stations~~ station.

Claim 29 (Currently Amended) The method of claim 26, wherein said step of communicating said designated unit of mass medium program material under processor control includes controlling a storage device at said subscriber station to play said designated unit of mass medium program material according to said at least a portion of a schedule, said method further comprising the steps of:

tuning a receiver in said broadcast or cablecast distribution system to receive said designated unit of mass medium program material;

communicating said designated unit of mass medium program material to a specific memory location in said ~~broadcast or cablecast distribution system~~; and

controlling said storage device to store said designated unit of mass medium program material.

Claim 30 (Currently Amended) The method of claim 26, wherein said subscriber station includes at least one of (1) a plurality of storage devices and (2) a plurality of memory locations and said step of communicating includes organizing programming stored at said subscriber station to play according to said at least a portion of a schedule, said programming including said designated unit of mass medium program material.

Allowable Subject Matter

4. Claims **2, 3, 7, 8, 10-12, 14, 16, 18, 26-30, 33, and 36** are allowed.
5. The following is an examiner's statement of reasons for allowance:

The present invention is directed to the control of the scheduling and outputting of mass medium program material at a subscriber station.

Specifically, the present invention provides an ability to operate under the control of instructions transmitted by broadcasters.

Regarding *amended claim 2*, the closest prior art of record, *Yanagimachi et al.* (U.S. 3,936,595), teaches a system for distribution of programming to a subscribing receiver device, where control signaling is provided from the transmitter end to the receiver end such that desired programming may be extracted from a program stream by the receiver in a desired sequence (schedule).

However, *Yanagimachi et al.* as well as the other prior art of record fails to teach the desired sequence or schedule "designating at least one of:

a time to communicate said mass medium program material,

a device from which to communicate said mass medium program material, and

a device to which to communicate said mass medium program material;
storing said schedule" in combination with the other limitations of claim 2.

Independent claims **3, 7, and 26** are similarly allowable over the prior art of record, as they each also contain the above distinct features present in claim 2.

Regarding claims **8, 10-12, 14, 16, 18, 27-30, 33, and 36**, these claims are further limiting to the independent claims above, and are thus also allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL J. MOORE, JR., whose telephone number is (571)272-3168. The examiner can normally be reached on Monday-Friday (7:30am - 4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor William Korzuch can be reached at (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael J. Moore, Jr./
Primary Examiner, Art Unit 2467

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 6

PATENT NO. : 7,784,082
APPLICATION NO. : 08/447,974
ISSUE DATE : August 24, 2010
INVENTOR(S) : John C. Harvey et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 286, line 4, through column 290, line 11, replace claims 1-17 with the following claims as presented in the Examiner's Amendment filed on October 28, 2009:

—1. A method of controlling the outputting of mass medium program material at a subscriber station, said subscriber station including an output device, a memory, a receiver, and a processor, wherein said output device is capable of presenting mass medium program material, said receiver has a signal output coupled as an input to the processor, said processor has an output operatively connected to a control input of said memory, and said memory is operatively connected to said output device for communicating mass medium program material to said output device, said method comprising the steps of:

- storing, at said subscriber station, mass medium program material and subscriber data, said subscriber data designating a subject of interest of a subscriber;
- receiving an instruct-to-generate signal;
- generating a schedule by processing said subscriber data in response to said instruct-to-generate signal, said schedule designating at least one of:
 - a time to communicate said mass medium program material,
 - a device from which to communicate said mass medium program material, and a device to which to communicate said mass medium program material;
- storing said schedule;
- controlling said memory to communicate said mass medium program material to said output device in accordance with said schedule; and
- presenting said communicated mass medium program material at said output device.

2. The method of claim 1, wherein said mass medium program material includes at least one of video and audio and said subscriber station further includes a switch operatively connected to said receiver, said method further comprising the steps of:

- receiving a signal from a remote station, said signal including said at least one of video and audio; and
- controlling said switch to communicate said signal to one of said memory and said processor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

THOMAS J. SCOTT, ESQ
GOODWIN PROCTER LLP
901 NEW YORK AVE. NW, WASHINGTON, DC 20001

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and pay the USPTO to process) an application. Consistency is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 6

PATENT NO. : 7,784,082
APPLICATION NO. : 08/447,974
ISSUE DATE : August 24, 2010
INVENTOR(S) : John C. Harvey et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

3. The method of claim 1, further comprising the steps of:

analyzing said subscriber data to value information included in said mass medium program material;
selecting at least a portion of said mass medium program material based on said step of analyzing; and
communicating said selected portion of said mass medium program material to said memory.

4. The method of claim 1, wherein said instruct-to-generate signal designates a plurality of units of said mass medium program material, and said memory includes a plurality of memory locations, said method further comprising the step of:

communicating selected portions of said mass medium program material to at least one specific memory location of said plurality of memory locations.

5. The method of claim 1, wherein said step of controlling said memory to communicate said mass medium program material is commenced in response to an output control signal, said method further comprising the step of:

detecting said output control signal in an information transmission communicated from a remote transmitter station.

6. The method of claim 1, further comprising the steps of:

storing a module at said subscriber station in response to said instruct-to-generate signal; and
inputting to a remote station data of subscriber choice in accordance with said module, said data of subscriber choice communicating a response by said subscriber to a combined medium presentation including said communicated mass medium program material.

7. The method of claim 1, wherein said output device is capable of outputting television programming and said subscriber station presents at least a portion of said mass medium program material at said output device with said television programming, said method further comprising the steps of:

MAILING ADDRESS OF SENDER (Please do not use customer number below):

THOMAS J. SCOTT, ESQ
GOODWIN PROCTER LLP
901 NEW YORK AVE. NW, WASHINGTON, DC 20001

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. This information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Consistency is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NO. : 08/447,974
ISSUE DATE : August 24, 2010
INVENTOR(S) : John C. Harvey et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

receiving from one of a remote broadcast and a cablecast transmitter station an information transmission including channels of programming, said information transmission including said television programming and said instruct-to-generate signal;
communicating said television programming from said receiver to said output device;
detecting a plurality of instruct signal types in a code portion of said information transmission, said instruct-to-generate signal being of a first instruct signal type;
communicating said instruct-to-generate signal to said processor; and
controlling said memory to store and output said mass medium program material based on one or more signals of a second instruct signal type.

8. A method of communicating subscriber station information from a subscriber station to at least one remote station, said method comprising the steps of:
(1) storing subscriber data at a subscriber station;
(2) receiving at said subscriber station at least one instruct signal which is used to generate a schedule and output mass medium program material in accordance with said schedule regarding mass medium program material, said schedule designating at least one of:
a time to communicate said mass medium program material,
a device from which to communicate said mass medium program material, and a device to which to communicate said mass medium program material;
outputting said mass medium program material in accordance with said schedule;
(3) generating subscriber specific data, said generating at said subscriber station directed by instructions from said at least one instruct signal;
(4) receiving one of a viewer's and a participant's response to a mass medium presentation at said subscriber station, said mass medium presentation including said mass medium program material; and
(5) transferring said subscriber specific data from said subscriber station to at least one remote station based on said step of receiving.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : 7,784,082
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9. The method of claim 8, further comprising the steps of:
storing a software module at said subscriber station;
executing said software module in response to said at least one instruct signal;
accessing said stored subscriber data under control of said software module; and
storing at least one of meter information and monitor information evidencing processing of said software module, said at least one of said meter information and said monitor information is communicated to a remote site.

10. A method for information delivery for use with an interactive image output apparatus, said interactive image output apparatus having at least one output device for outputting said information and an input device for receiving input from a subscriber, said method comprising the steps of:
outputting a presentation that explains at least one receiver specific datum, said presentation including a first sequence of images;
making an offer during said step of outputting with respect to said information;
receiving input from said subscriber at said input device in response to said offer, said interactive image output apparatus having a transmitter for communicating data to a remote site;
communicating said data to said remote site, said interactive image output apparatus and said remote site comprising a network having a plurality of transmitter stations;
one of generating and assembling, in said network, at least one message which operates at said interactive image output apparatus to generate a schedule and to output a second sequence of images in accordance with said schedule, said interactive image output apparatus having a receiver for receiving a signal from a remote station, and said schedule designating at least one of:
a time to communicate said second sequence of images,
a device from which to communicate said second sequence of images, and a device to which to communicate said second sequence of images; and
delivering said information to said at least one output device based on said at least one message.

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11. A method of controlling the outputting of mass medium program materials at a subscriber station included in one or more subscriber stations in a broadcast or cablecast distribution system, said broadcast or cablecast distribution system having a transmitter station and said one or more subscriber stations, each of said one or more subscriber stations including a receiver, an output device, and a computer for storing data and controlling communication of mass medium program materials, said method comprising the steps of:
storing, at said subscriber station, mass medium program material and a subscriber datum, said subscriber datum designating a subject of interest to a subscriber;
detecting a control signal, said control signal designating a unit of mass medium program material;
selecting said subscriber datum in response to said control signal;
generating at least a portion of a schedule by processing said selected subscriber datum in response to said control signal, said generated at least a portion of a schedule including at least one of the group of:
(1) a time to communicate said designated unit of mass medium program material;
(2) a device from which to communicate said designated unit of mass medium program material; and
(3) a device to which to communicate said designated unit of mass medium program material;
storing said at least a portion of a schedule;
communicating said designated unit of mass medium program material at said subscriber station under processor control based on said at least a portion of a schedule; and
outputting said communicated unit of mass medium program material at said subscriber station.

12. The method of claim 11, wherein said unit of designated mass medium program material includes at least one of video and audio and said step of communicating includes:
tuning the receiver at said subscriber station to receive said at least one of video and audio; and
controlling a selective transmission device at said subscriber station to communicate said at least one of video and audio to the output device at said subscriber station.

13. The method of claim 11, wherein an information transmission including said mass medium program material includes a second control signal and said step of communicating includes:

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outputting at at least one of the receiver and a first memory at said subscriber station to at least one of the output device at said subscriber station and a second memory based on said second control signal.

14. The method of claim 11, wherein said step of communicating said designated unit of mass medium program material under processor control includes controlling a storage device at said subscriber station to play said designated unit of mass medium program material according to said at least a portion of a schedule, said method further comprising the steps of:

tuning a receiver in said broadcast or cablecast distribution system to receive said designated unit of mass medium program material;

communicating said designated unit of mass medium program material to a specific memory location; and
controlling said storage device to store said designated unit of mass medium program material.

15 The method of claim 11, wherein said subscriber station includes at least one of (1) a plurality of storage devices and (2) a plurality of memory locations and said step of communicating includes organizing programming stored at said subscriber station to play according to said at least a portion of a schedule, said programming including said designated unit of mass medium program material.

16. The method of claim 11, wherein said stored subscriber datum is at least part of a subscriber budget, analysis, recommended plan, or solution to a problem, said method further comprising the steps of:

analyzing said stored subscriber datum to value information received in said broadcast or cablecast distribution system; and

selecting said designated unit of mass medium program material based on said step of analyzing.

17. The method of claim 11, further comprising the steps of:

storing a module at said subscriber station in response to said control signal; and

communicating one or more data of subscriber choice to a remote station in accordance with said module, said one or more data of subscriber choice input by said subscriber in response to a combined medium programming presentation which includes said designated unit of mass medium program material.

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